Would the bulb light up?				Important facts:		
	(constraint)	Bulb	Will the bulb light?	 into light, heat, movement or sound energy. What is an electrical circuit? Electricity flows through components in a complete circuit. It needs a power source (battery) with wires. Other components are; bulbs, buzzers or motors. A switch can create a gap in the circuit to switch it on (closed) or off (open). What is a conductor and insulator? Conductors let electricity pass through them and metals (iron, 	Key Vocabulary	
Buzzer	Battery O Switch		Yes		light, movement, sound, energy, complete, bright, machine, heat, through, metal, iron, copper, steel, power	
			Why?			
			The circuit has a battery and a bulb and is complete.		generator = a machine that makes	current = the flow of electrical
Г	O I Switch	Bulb	Will the bulb light?		electrical energy	charge
Buzzer			No		component = needs electricity to work (e.g. a part of a circuit)	connected = something that is joined or linked
			Why? The circuit has no battery			
			to provide the electrical power.		circuit = a path through which an electric current flows	battery (cell) = stores and provides energy
г	Battery V Switch	Bulb	Will the bulb light?			
Buzzer			No		wire = thin strips of metal that conduct electricity	bulb = component that creates light
Duzzer			Why?			
			The circuit is not complete.		switch = component that switches	buzzer = component that creates
	Battery	Bulb	Will the bulb light?		circuits on and off	sound
Buzzer			No		What we will be learning: To understand that some common appliances run on electricity, with a focus on circuits, conductors and insulators. • identify common appliances that run on electricity	
			Why?			
			The switch is in the off (0) position.			
			Bulb Buzzer Swit	copper, steel) are good conductors. Insulators do not allow electricity to pass through them and wood, glass, plastic and rubber are good insulators.	 construct a simple series electrical circuit, identifying and naming its basic parts, including cells, wires, bulbs, switches and buzzers identify whether or not a lamp will light in a simple series circuit, based on whether or not the lamp is part of a complete loop with a battery recognise that a switch opens and closes a circuit and associate this with whether or not a lamp lights in a simple series circuit recognise some common conductors and insulators, and associate metals with being good conductors. 	